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I have no connection with any camera company

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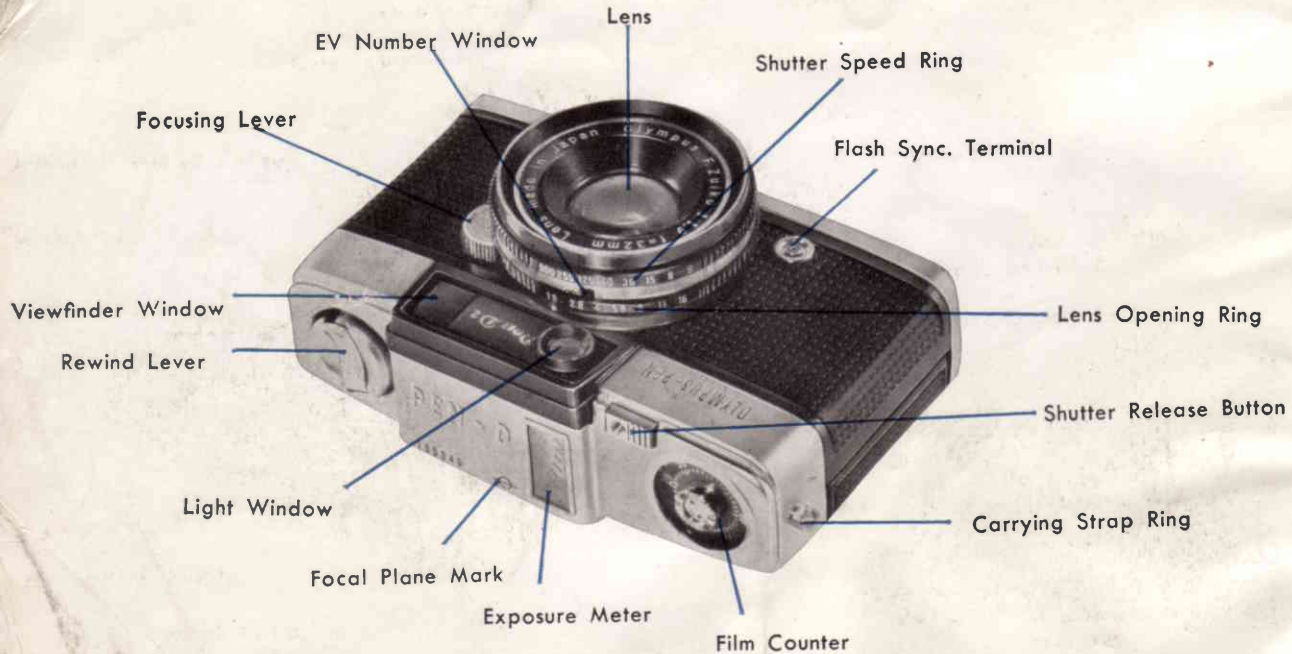
Olympus
Pen D2

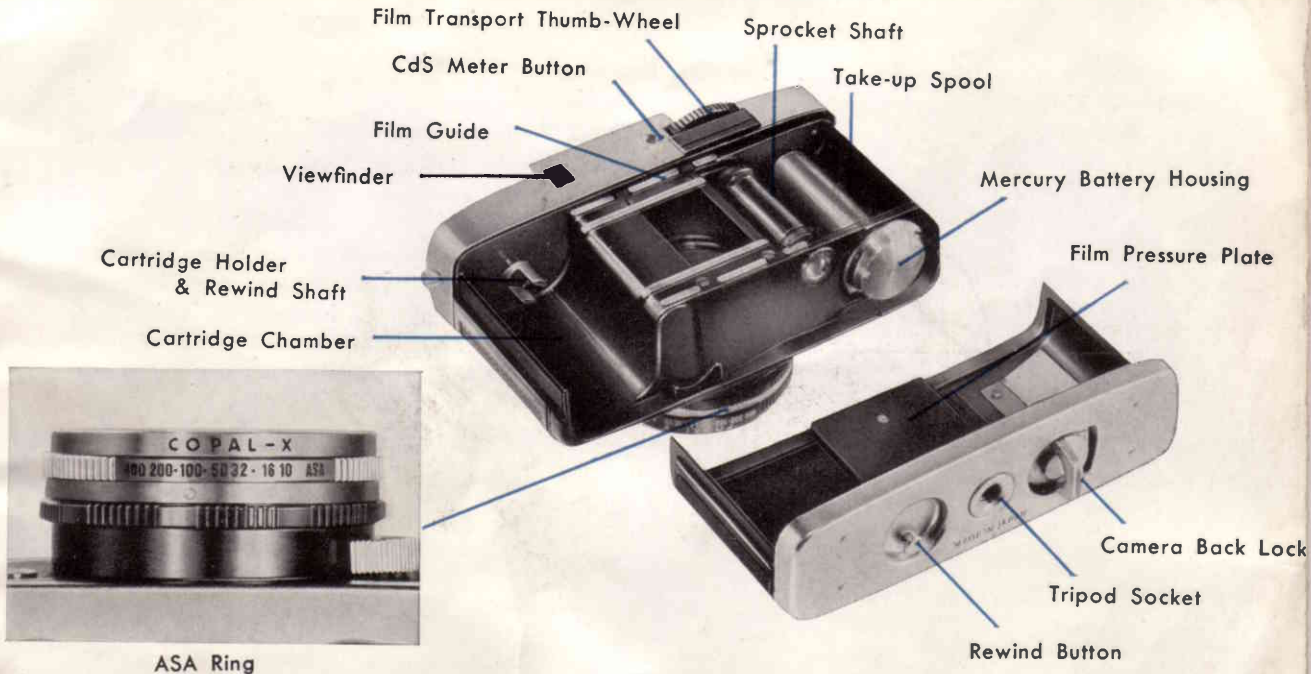
Olympus
Pen D2

Olympus
Pen D2



- Lens** : F Zuiko F1.9 $f=32$ mm
- Shutter** : Copal X, B, 8, 15, 30, 60, 125, 250, 500, X synchronization.
- Finder** : Bright Frame with parallax correction marks.
- Film Winding** : One motion thumb wind at camera rear.
- Rewind** : Fold down crank type rewind lever.
- Focusing** : Meter 0.8 m to infinity, click stops at 1.2 m and 3 m.
Feet 2.6 feet to infinity, click stops at 4' and 10'.
- Exposure Meter** : Built-in CdS exposure meter
Scaled EV numbers from 3 to 17.
- Available Film** : ASA 10 to 400.
- Dimensions** : 108 × 67 × 50 mm
- Weight** : 420 gs.





F-ZUIKO F 1.9 f=32MM LENS

www.orphancameras.com



The Olympus Pen D-2 is equipped with an F1.9 lens which is generally considered to be the fastest that can be fitted to lens-shutter cameras.

The superb 6 element lens is made from a new rare-earth glass and has been developed by Olympus technicians with over 40 years experience in lens design.

A fast 1/500 sec. shutter is fitted and the use of extremely thin blade minimizes shutter shock.

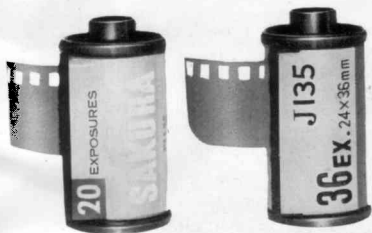
These and all the other features of the Pen D-2 will ensure that you will get needle-sharp pictures.

The $f=32$ mm lens is equivalent to a 45 mm lens on a full 35 mm frame.



FILM SIZE

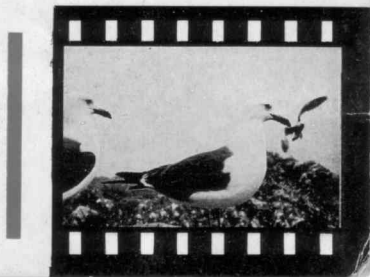
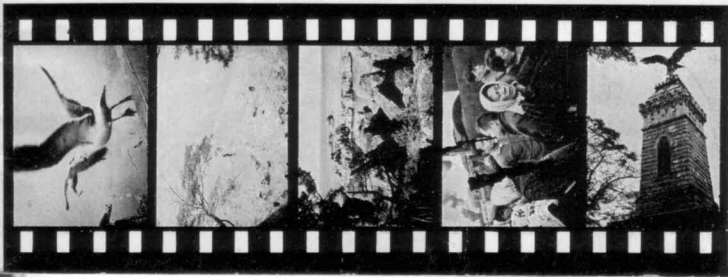
www.orphancameras.com



The Pen D-2 accepts any regular 35 mm film, color or black and white, all ASA speeds. No special film is necessary. The Pen D-2 takes the identical films that any 35 mm camera takes. On a regular 20 exposure roll, the Pen D-2 gives you 40 exposures. The picture size is 18 mm x 24 mm (about $\frac{3}{4}$ " x 1"), exactly $\frac{1}{2}$ size of pictures taken with a regular 35 mm camera. The film is processed in the same way, through the same places that other 35 mm film is processed.

Pen Size

Regular 35 mm Size





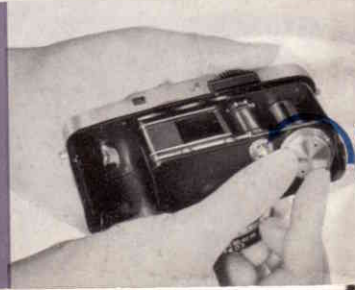
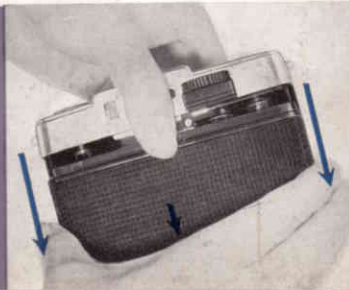
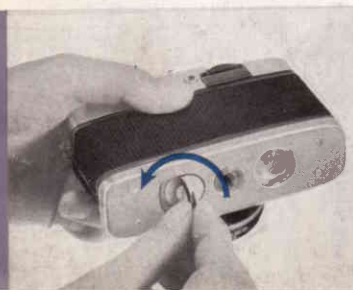
FITTING THE MERCURY CELL & FILM LOADING

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1) Flip up the lock at the camera base. Turn it in the direction of the arrow shown below.

2) Then grasp the camera body with left hand, the camera back with the right hand, and gently slide the camera back DOWN in the direction of the arrow shown in center photo below.

3) The battery housing is located underside the take-up spool. Remove the cap from the battery housing, by turning it in a counter clockwise direction.

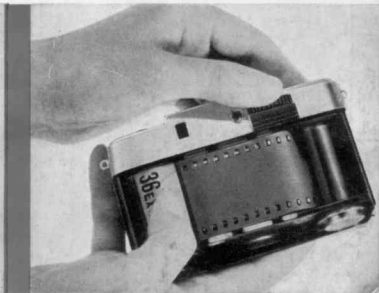
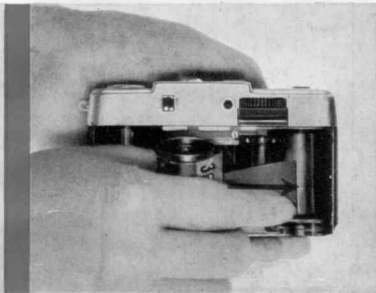
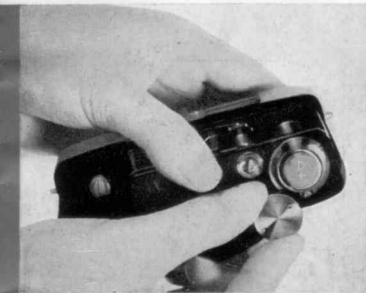


4) Place battery inside housing, with positive side (marked +) facing out.

Replace cap making sure that it is screwed firmly into place.

5) Slip the end of the new film into the winding spool shown in photo below.

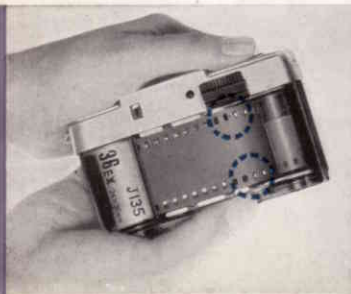
6) Place the film cartridge in the cartridge chamber, being sure that the cartridge holder fits snugly within the top of cartridge.



7) Be sure the sprockets on sprocket spool engage perforations in the film. Move the film slightly, if necessary, or turn the rewind lever slightly to take up film slack.

8) Replace the camera-back and lock it securely. Depress the CdS button, which locates near the film transport thumb-wheel on the back of the camera to check the meter operation. The exposure meter moves as you depress the CdS button.

9) Wind the film once and release the shutter button. During this 1st wind, the film is being engaged in the sprocket spool, and the rewind lever will move in the same direction the film is moving. This is normal, and shows proper loading. Wind and expose the film three more times. Whenever you wind the film, be sure you wind it all the way. Never wind it half way or part way, but all the way.



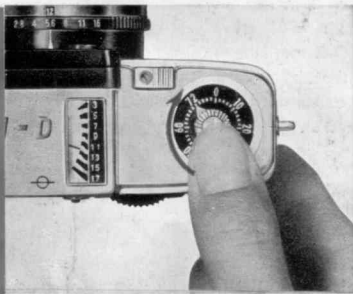
10) Set ASA rating of film in use correctly over the ASA ring. ASA Ring locates on the lower side of lens barrel.

11) Set the film counter. Place your thumb on the knurled round indicator, and turn until the triangle points to either 72 or 40. If you are using a 36 exposure roll, set the triangle to point to 72. If you are using a 20 exposure roll, set the triangle to point to 40. From that point on, the counter shows you how many pictures you can still take before the film is all used up.

SELF-COCKING SHUTTER

When the film is completely wound for next picture, two operations take place automatically. The film is moved to the next frame and the shutter is cocked, ready for release. You need only press the release button to make an exposure.

The film Winding Roller should be rolled all the way until it stops. If not, the shutter will not operate. Do not wind the film immediately after you have taken a picture. Wait until you are ready for the next picture, and wind the film just before making the exposure. This enables the shutter spring to last and remain accurate indefinitely.

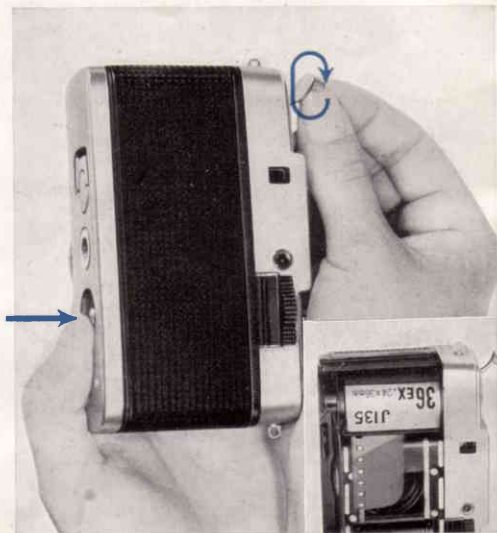




TO REWIND THE FILM AFTER THE LAST EXPOSURE

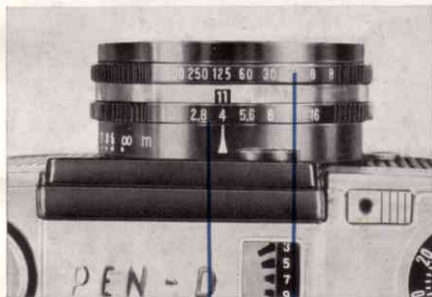
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Flip up the rewind lever. Press down and HOLD the rewind button at the base of the camera body. SLOWLY turn the rewind crank in the direction of the arrow. You will feel a tension, which shows that the film is being re-wound into the cartridge. At the rate of about 1 complete turn per second, turn the rewind crank until you feel the tension suddenly disappear. Then turn the rewind crank a few more times, and the film can be removed from the camera. If you turn the rewind crank too quickly in the Pen D-2 or in any camera; the friction of the film against the pressure plate will cause tiny bits of dust to settle on the film.





An accurate exposure meter is built-in inside the Olympus Pen D-2 (see page 14 for correct use of the exposure meter). You can get a correct exposure simply by setting the shutter speed and lens opening rings according to a light value number indicated by the Exposure Needle



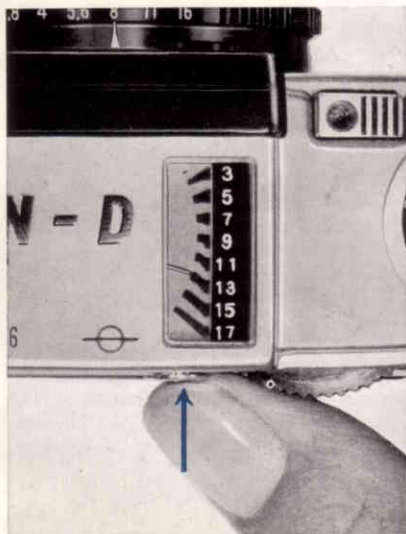
Shutter Speed Ring

Lens Opening

There are two rings on the lens barrel; both carry numerals.

The inner ring near the camera body is the Lens Opening Ring. It is numbered from left to right, 1.9, 2.8, 4, 5.6, 8, 11 and 16. Rotate this ring and align its numbers with the yellow mark ▲ to change lens opening.

The outer ring around the head of the lens barrel is the Shutter Speed Ring. It is numbered from right to left, B, 8, 15, 30, 60, 125, 250 and 500. Each number click stops at the yellow mark. For correct speed, ensure that the number is perfectly matched with the yellow mark. ▲



(See Page 8 for putting the battery inside the battery housing)

Hold the camera and point it to the subject. The exposure meter needle moves as you depress the CdS meter button near the film transport thumb-wheel on the back of the camera.

The built-in exposure meter is calibrated by light value numbers from 3 to 17. It is numbered 3, 5, 7, 9, 11, 13, 15 and 17. Depress the CdS meter button and read the light value number indicated by the needle (the in-between numbers indicated by the needle must also be read as the light value). After reading the LV number, set the corresponding number in the small window on the shutter speed ring.

PRE-SELECTED SHUTTER SPEED METHOD OF EXPOSURE SELECTION

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Set the desired shutter speed at the yellow mark by rotating the shutter speed ring. After reading the light value number by the exposure meter, set the LV number in the small window by slowly rotating the lens opening ring in either direction. If the LV number does not appear in the window, which means that the desired shutter speed does not couple with the light value, set the shutter speed at one step higher or lower by rotating the shutter speed ring.

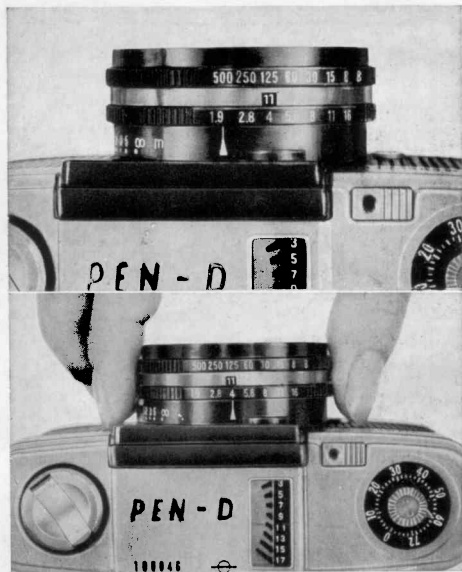


CAUTION

1. Unlike the shutter speed, the lens opening may be set in-between numbers. When the LV number is set in the small window, the lens opening numbers do not always match with the yellow mark.
2. Never, release the shutter button without having set the LV number in the small window.
3. The letter "B" in red on the shutter speed ring stands for a bulb setting. In this setting, the shutter blades are opened while the shutter button is depressed, and will remain open until it is released. The "B" setting is used when exposures of longer than one second are desired. You may disregard the LV number in the window when you take pictures with "B"

CHANGE OF SHUTTER SPEED-LENS OPENING COMBINATION WITHOUT CHANGING THE EXPOSURE

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When you desire to change the shutter speed and lens opening combination without changing the exposure, hold shutter speed and lens opening rings together and rotate them in either direction so as not to change the light value in the window.

EXAMPLE (See pictures on the left).

In case the shutter speed is set at $1/500$ sec. and the LV number by exposure meter is '11', the lens opening number sets at in-between number of 2.8 and 1.9 near the 1.9 (unlike the shutter speed, the lens opening may be set at in-between numbers. See the preceding page, the section "CAUTION"). Then, if you desire to take pictures with smaller lens opening, hold shutter speed and lens opening rings together and rotate them in a clockwise direction. As shown in the picture, lens opening will set at '4' as the shutter speed is set at $1/125$ sec.

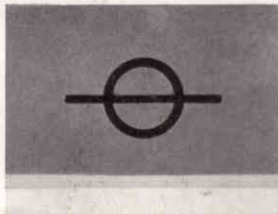


FOCUSING

Estimate the distance from camera to subject, and set it by focusing lever. Make sure to set the distance at the upper edge of focusing lever. The click stop at 4 feet (1.2m) is a convenient fixed focus for close-up, and the click stop at 10 feet is for snapshot.



The mark indicates the film position when loaded in camera. This is very useful to measure accurate distance.





TO USE THE VIEWFINDER

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The Olympus Pen D-2 embodies an Extra Bright Luminous Frame Finder. Perfect composition is easy. Simply place the subject in the center of the frame. The Pen D-2 Finder is so constructed that regardless of the position of your eye, the subject will be centered.

When making close-ups (1 meter or closer), frame the subject in the yellow area. This automatically corrects for parallax.



TO MAKE A PERFECT PICTURE

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- 1) Hold the camera firmly against your face.
- 2) Spread your feet apart so you will not sway back and forth, or side to side.
- 3) Be sure your fingers do not cover the lens, the viewfinder, or the framefinder. Be sure your fingers do not move the shutter ring after it is set.
- 4) Hold your breath as you press the shutter release button.
- 5) Use a lens shade when shooting into the sunlight.
- 6) Use a UV filter to shut out ultraviolet rays. (The filter can be used between pictures to protect the lens also).





Selection of the shutter speed.

1) To use the Electronic Flash light :
Electronic flash is synchronized at all speeds.

2) To use the Type F Bulb :
Set the shutter speed at 1/8 to 1/60.

3) To use the Type M Bulb :
Set the shutter speed at 1/8 to 1/30.

Selection of the lens opening.

Divide the guide number by distance and this is the lens opening figure.

EXAMPLE : Film Speed : ASA 100

Guide Number : 105

Distance to subject : 15 feet

$$105 \div 15 = 7$$

Set the lens opening at 8 close to 7.

FILTER



Filter : Haze (UV)
 Skylight 1A
 Conversion type A
 Yellow (Y2)
 43 mm Screw-in type

Lens Shade : 45 mm Slip-on type
When an yellow filter is attached, the ASA setting should be adjusted one f/stop lower. In other words see ASA at 50 instead of 100. UV or Skylight filter is recommended for color pictures. ASA setting adjustment is not necessary for using these filters.

As illustrated you can use an attachable self-timer which is available in any camera store.





OLYMPUS PEN D-2 DEPTH OF FOCUS

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(Feet Scale)

Diaphragm Lens Stop. Focussing	1.9	2.8	4	5.6	8	11	16
∞	41.07 ∞	27.87 ∞	19.51 ∞	13.93 ∞	9.75 ∞	7.07 ∞	4.88 ∞
15	11.23 22.43	10.10 29.39	8.87 ∞	7.64 ∞	6.34 ∞	5.23 ∞	4.07 ∞
10	8.22 12.79	7.58 14.75	6.88 18.57	6.12 28.48	5.26 ∞	4.49 ∞	3.61 ∞
7	6.09 8.23	5.74 8.99	5.33 10.25	4.87 12.64	4.32 19.50	3.79 ∞	3.16 ∞
5	4.53 5.58	4.33 5.91	4.10 6.42	3.83 7.25	3.49 9.04	3.14 13.12	2.70 ∞
4	3.69 4.35	3.57 4.55	3.41 4.83	3.23 5.28	2.99 6.15	2.73 7.76	2.40 13.95
3.5	3.27 3.76	3.17 3.90	3.05 4.11	2.90 4.42	2.71 5.01	2.50 6.00	2.22 9.07
3	2.83 3.18	2.76 3.28	2.67 3.42	2.56 3.64	2.41 4.01	2.25 4.61	2.02 6.19
2.6	2.47 2.73	2.42 2.80	2.35 2.90	2.27 3.05	2.15 3.30	2.02 3.69	1.85 4.61

(Meter Scale)

Diaphragm Lens Stop. Focussing	1.9	2.8	4	5.6	8	11	16
∞	13.47 ∞	9.14 ∞	6.40 ∞	4.57 ∞	3.20 ∞	2.32 ∞	1.60 ∞
5	3.67 7.85	3.26 10.79	2.85 21.64	2.43 ∞	2.00 ∞	1.64 ∞	1.27 ∞
3	2.47 3.38	2.28 4.38	2.07 5.48	1.85 8.26	1.59 ∞	1.36 ∞	1.10 ∞
2	1.75 2.32	1.66 2.51	1.55 2.83	1.42 3.42	1.27 4.96	1.12 11.56	0.94 9.16
1.5	1.36 1.67	1.30 1.76	1.23 1.91	1.15 2.15	1.05 2.66	0.95 3.80	0.82 14.00
1.2	1.11 1.30	1.07 1.36	1.02 1.44	0.97 1.57	0.90 1.82	0.82 2.28	0.72 3.97
1	0.93 1.06	0.91 1.10	0.88 1.15	0.84 1.24	0.78 1.38	0.73 1.62	0.65 2.31
0.9	0.85 0.95	0.83 0.98	0.80 1.02	0.72 1.19	0.68 1.36	0.68 1.36	0.61 1.81
0.8	0.76 0.84	0.74 0.86	0.72 0.89	0.69 0.94	0.66 1.01	0.62 1.13	0.56 1.42

VARIOUS ACCESSORIES www.orphancameras.com

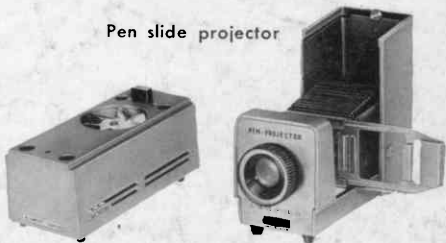


Pen copy attachment
model de-luxe

Lens shade



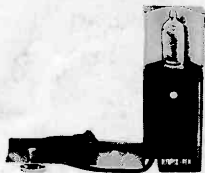
Pen slide projector



Soft carrying case
with wrist strap



Eveready hard case



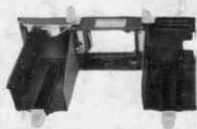
Blower for pen projector

Pen flash (for AG-1 bulbs)

Filters (43 mm Screw-in type)



Strip film carrier



Auto changer